

WHAT IS CLAIMED IS:

1. An enterprise system constructing method for constructing an enterprise system using a framework which is described by an object-oriented language, said enterprise system constructing method comprising the steps of:

preparing an enterprise system framework, which include (a) an enterprise system basic framework which defines a basic attribute and behavior of an enterprise system, (b) a client/server application system framework, an Web application system framework and a server application system framework, which inherit said enterprise system basic framework and which define a basic attribute and behavior of a stand-alone client/server application system, a network-oriented client/server application system and a server-oriented server application system, respectively, and (c) a framework for integrating systems, which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a combination of said client/server application system framework, said Web application system framework and said server application system framework;

inheriting said client/server application system framework, said Web application system framework and said server application system framework of said enterprise system framework, respectively, to prepare a client/server application system, an Web application system and a server application system;

inheriting said framework for integrating systems of said enterprise system framework to prepare an integrating system;

inheriting said enterprise system basic framework of said enterprise system framework to prepare a main system;

utilizing said integrating system to construct a hierarchical possessive relationship between said client/server application system, said Web application system and said server application system; and

integrating said client/server application system, said Web application system, said server application system, said integrating system and said main system.

2. An enterprise system constructing method as set forth in claim 1, wherein said enterprise system basic framework, said client/server application system framework, said Web application system framework, said server application system framework and said framework for integrating systems of said enterprise system framework are, respectively, prepared as a framework including an abstract class group which abstractly defines an attribute and behavior of a system and which has a hierarchical structure constructed by an inherit relationship.
3. An enterprise system constructing method as set forth in claim 1, wherein said enterprise system basic framework, said client/server application system framework, said Web application system framework, said server application system framework and said framework for integrating systems of said enterprise system framework are, respectively, prepared as a framework including a group of abstract classes, each of which abstractly defines an attribute and behavior of a system and which is formed so as to include an abstract method mixed with a concrete method.
4. An enterprise system constructing method as set forth in claim 1, wherein said hierarchical possessive relationship between said client/server application system, said Web application system and said server application system is constructed as a tree structure, the vertex of which is said integrating system.
5. An enterprise system constructing method as set forth in claim 1, wherein said client/server application system, said Web application system, said server application system, said integrating system and said main system are compiled and linked to be integrated.
6. An enterprise system constructing method as set forth in claim 1, wherein said client/server application system, said Web application system, said server application system, said integrating system and said main system are incorporated via a

previously prepared inherent interface to be integrated.

7. A computer readable recording medium, in which an enterprise system framework described by an object-oriented language is recorded, said enterprise system framework comprising:

an enterprise system basic framework which defines a basic attribute and behavior of an enterprise system;

a client/server application system framework which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a stand-alone client/server application system;

a Web application system framework which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a network-oriented client/server application system; and

a server application system framework which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a server-oriented server application system.

8. A computer readable recording medium as set forth in claim 7, wherein each of said enterprise system basic framework, said client/server application system framework, said Web application system framework and said server application system framework includes a group of abstract classes, each of which abstractly defines an attribute and behavior of a system and which has a hierarchical structure constructed by an inherit relationship.

9. A computer readable recording medium as set forth in claim 7, wherein each of said enterprise system basic framework, said client/server application system framework, said Web application system framework and said server application system framework includes a group of abstract classes, each of which abstractly defines an attribute and behavior of a system and which is formed so as to include an abstract method mixed with a concrete method.

10. A computer readable recording medium as set forth in claim 7, further comprising a framework for integrating systems, which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a combination of said client/server application system framework, said Web application system framework and said server application system framework.

11. A computer readable recording medium as set forth in claim 10, wherein said framework for integrating systems is formed so that a hierarchical possessive relationship between said client/server application system, said Web application system and said server application system, which inherit said client/server application system framework, said Web application framework and said server application system framework, respectively, is constructed as a tree structure, the vertex of which is an integrating system inheriting said framework for integrating systems.

12. A computer readable recording medium, in which an enterprise system framework including a group of frameworks, which are described by an object-oriented language and which are capable of delivering data between systems generated by each of frameworks, is recorded, said enterprise system framework comprising:

an enterprise system basic framework which defines a delivery of data between systems; and

a group of frameworks for various executable environments, which inherit said enterprise system basic framework.

13. A computer readable recording medium, in which an enterprise system framework including a group of frameworks, which are described by an object-oriented language and which are capable of transmitting and acquiring data between systems generated by each of frameworks, is recorded, said enterprise system framework comprising:

an enterprise system basic framework which defines a transmission and acquisition of data between systems; and

a group of frameworks for various executable environments, which inherit said enterprise system basic framework.

14. A computer readable recording medium, in which an enterprise system framework including a group of frameworks, which are described by an object-oriented language and which are capable of constructing a hierarchical possessive relationship between systems generated by each of frameworks, is recorded, said enterprise system framework comprising:

an enterprise system basic framework which defines a basic attribute and behavior of an enterprise system; and

a group of frameworks for various executable environments, which inherit said enterprise system basic framework.

15. A computer readable recording medium as set forth in claim 14, further comprising a framework for integrating systems, which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a combination of said group of frameworks for various executable environments.

16. A computer readable recording medium as set forth in claim 15, wherein said framework for integrating systems is formed so that a hierarchical possessive relationship between a group of systems, which inherit said group of frameworks for various executable environments, is constructed as a tree structure, the vertex of which is an integrating system inheriting said framework for integrating systems.

17. A system for supporting the construction of an enterprise system, using an enterprise system framework which is described by an object-oriented language, said enterprise system framework including (a) an enterprise system basic framework which defines a basic attribute and behavior of an enterprise system, (b) a client/server application system framework, an Web application system framework and a server application system framework, which inherit said enterprise system basic framework and which define a basic attribute and behavior of a stand-alone client/server

application system, a network-oriented client/server application system and a server-oriented server application system, respectively, and (c) a framework for integrating systems, which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a combination of said client/server application system framework, said Web application system framework and said server application system framework, said system for supporting the construction of an enterprise system comprising:

means for inheriting said client/server application system framework, said Web application system framework, said server application system framework and said framework for integrating systems of said enterprise system framework, respectively, to prepare a client/server application system, an Web application system, a server application system and an integrating system, and for inheriting said enterprise system basic framework of said enterprise system framework to prepare a main system;

means for utilizing the prepared integrating system to define a hierarchical possessive relationship between said client/server application system, said Web application system and said server application system; and

means for integrating said client/server application system, said Web application system, said server application system, said integrating system and said main system.

18. A system for supporting the construction of an enterprise system as set forth in claim 17, further comprising means for carrying out processing, such as retrieval, editing, registration or deletion, with respect to said enterprise system framework.

19. A computer readable recording medium, in which a program for supporting the construction of an enterprise system, using a framework which is described by an object-oriented language, is recorded, said computer readable recording medium causing a computer to execute procedures for:

preparing an enterprise system framework, which include (a) an enterprise system basic framework which defines a basic attribute and behavior of an enterprise system, (b) a client/server application system framework, an Web application system framework and a server application system framework, which inherit said enterprise system basic framework and which define a basic attribute and behavior of a stand-alone client/server application system, a network-oriented client/server application system and a server-oriented server application system, respectively, and (c) a framework for integrating systems, which inherits said enterprise system basic framework and which defines a basic attribute and behavior of a combination of said client/server application system framework, said Web application system framework and said server application system framework;

inheriting said client/server application system framework, said Web application system framework, said server application system framework and said framework for integrating systems of said enterprise system framework, respectively, to prepare a client/server application system, an Web application system, a server application system and an integrating system, and inheriting said enterprise system basic framework to prepare a main system;

utilizing said integrating system to define a hierarchical possessive relationship between said client/server application system, said Web application system and said server application system; and

integrating the defined client/server application system, Web application system, server application system, integrating system and main system.